

Course 537: Windows 2008 and 2008 R2 Foundations (5 days)

Course Description...

Windows Server 2008 is Microsoft's next-generation server software. It replaces Windows 2003 and Windows 2000, and provides a robust and secure platform for server operation, web services and virtualization. With the October 2009 launch of Windows 2008 Release 2 (R2), Microsoft takes the server operating system to the next level. System Administrators and others around the globe are ready to take advantage of it and leverage a true 64-bit operating system.

In this intense, hands-on course, you'll learn the foundations of Windows Server 2008 from an expert instructor, and provided with real-world lecture and materials necessary to jump-start your experience with Windows 2008 and Windows 2008 R2. Starting with the installation of the operating system, server management and deployment of server roles, students will experience the fundamentals of Windows 2008 and Windows 2008 R2 management and operation.

Who should attend...

This course is recommended for any Information Technology (IT) professional who will be working with Windows 2008 and Windows 2008 R2 Servers. System Administrators, Server Managers, Networking Professionals, Technical Support Staff, Web Developers, Technology Managers, Windows Programmers and others will benefit from this course.

Recommended Prerequisites...

- Knowledge of Windows Server Administrator
- Basic understanding of Active Directory
- Working knowledge of TCP/IP

Course Outline...

Chapter 1: Windows Server 2008 and Windows Server 2008 R2

Key Features of Windows Server 2008 and Windows Server 2008 R2
Versions and Licensing
32-bit and 64-bit computing
New Server Installation
Migration and Upgrade Paths
Managing Server Roles
New and Enhanced Networking Features



New Application Management and Deployment Technologies
Server Management with Graphical Tools, Command Line
PowerShell 2.0

Chapter 2: Windows Active Directory Configuration

Active Directory Planning and Deployment
Domain Name Services (DNS) usage with Active Directory
Forests, Domains and Sites
Account and Object Creation/Management
Active Directory Replication
Global Catalog, Read-Only Domain Controllers, and Operation Masters
Group Policy Objects (GPO) Enhancements
AD Lightweight Directory Services (AD-LDS) and Federated Services (AD-FS)
Active Directory Monitoring, Backup and Restoration

Chapter 3: Network Infrastructure Configuration

Windows Networking and Addressing – IPv4 and IPv6
DNS and DHCP Management
Network Access Protection and Network authentication
Windows Firewall with Advanced Security
iSCSI Connectivity and Enterprise Storage

Chapter 4: Windows File and Print Services

File and Print Server Roles
Distributed File System and DFS Replication
Disk/Folder/File Management: Backup/Restore/Shadow copy/Quotas
Monitoring and Managing Printers and Printer Deployment
Windows System Update Services (WSUS) Server role and configuration
Disk Management

Chapter 5: Application Infrastructures

Windows Deployment Services
Creating/Deploying Windows Deployment Services Images
Windows Activation in the Enterprise: MAK, KMS and Volume License Data
High Availability Windows Solutions
Server Core Installations

Chapter 6: Internet Information Server 7.0

IIS 7.0 and IIS 7.5 Deployment
HTTP, HTTPS, FTP, and SMTP
Web Security and Authentication in IIS
Windows Media Server

Chapter 7: Hyper-V Server Virtualization and Terminal Services

Windows Server Hyper-V Virtualization
Enhancements to Hyper-V in Windows 2008 R2
System Center Virtual Machine Manager



Terminal Services(2008)/Remote Desktop Services(2008 R2) Roles and Capabilities
Deploying Applications into a Remote Desktop Services infrastructure
Remote Desktop Services RemoteApp, Gateway and other advanced capabilities

Additional/Custom Topics are available - please contact your ROI representative to discuss course tailoring!!!